

Amendments to the Claims

This listing of claims replaces all prior versions and listings of claims in the application

Listing of Claims

1. - 2. (Cancelled)
3. (Previously presented) An isolated DNA comprising a nucleotide sequence represented by SEQ ID NO: 2.
4. (Previously presented) An expression vector which comprises the DNA of claim 3.
5. (Original) A transformant which is transformed with the expression vector of claim 4.
6. (Original) A process for producing GDP-4-keto-6-deoxy-D-mannose-3, 5-epimerase-4-reductase, which comprises culturing the transformant of claim 5 in a medium and collecting GDP-4-keto-6-deoxy-D-mannose-3, 5-epimerase-4-reductase from the obtained culture.
7. (Currently amended) A transformant which is transformed with: (a) the expression vector of claim 4; and (b) an expression vector comprising DNA encoding GDP-D-mannose-4, 6-dehydratase produced by strain ~~W303/Yep-MUR1~~ W303/YEp-MUR1-HA (FERM BP-7107).
8. (Original) A process for converting GDP-D-mannose into GDP-L-fucose using the transformant of claim 7.

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Page : 3 of 6

Attorney's Docket No.: 11283-019US1 / PH-935PCT-  
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9. (Original) A process for producing GDP-L-fucose which comprises culturing the transformant of claim 7 together with GDP-D-mannose in a medium, and collecting GDP-L-fucose from the obtained culture.

10. (Currently amended) The transformant of claim 7, the transformant being strain ~~W303/Yep-~~  
MUR1-HA W303/YEp-MUR1-HA, pYO-AtFX-Myc (FERM BP-7108).